

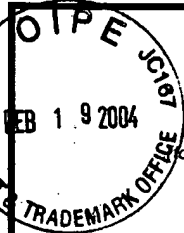
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1753
PTO/SB/21 REV 1 (12/97)

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	Filing Date	12/09/99	
	First Named Inventor	M. Pinarbasi	
	Examiner Name	R. McDonald	
	Group Art Unit	1753	
Total Number of Pages in This Submission	17 + postcard	Attorney Docket Number	SA998141

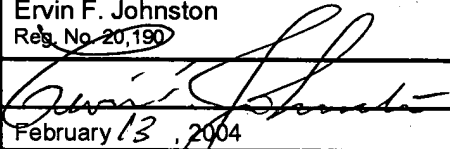
ENCLOSURES (check all that apply)

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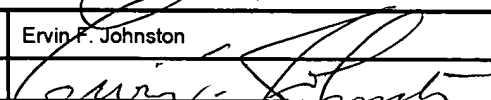
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Remarks:

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Ervin F. Johnston Reg. No. 20,190
Signature	
Date	February 13, 2004

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on this date: <u>February 13, 2004</u>			
Typed or printed name	Ervin F. Johnston		
Signature		Date	February 13, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
M. Pinarbasi)	Group No.: 1753
Serial No.: 09/458,581)	Examiner: Rodney McDonald
Filed: 12/09/99)	Docket No. SA998141
For: SPIN VALVE SENSOR FREE LAYER)	
STRUCTURE WITH A COBALT)	
BASED LAYER THAT PROMOTES)	
MAGNETIC STABILITY AND)	
HIGH MAGNETORESISTANCE)	

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUBSTITUTE AMENDMENT

As required by an Office Communication dated 01/16/2004 this "Substitute Amendment" corrects the presentation of the claims and is to be substituted for the previous "Amendment" mailed 12/12/2003.

This "Substitute Amendment" responds to the Office Action mailed 12/04/2003.